

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

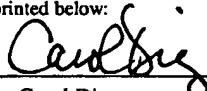
APPLICANT: Judith Schwabe et al.
SERIAL NO.: Unassigned
FILING DATE: Herewith
TITLE: OPTIMIZATION OF N-BASE TYPED ARITHMETIC
INSTRUCTIONS VIA REWORK
EXAMINER: Unassigned
ART UNIT: Unassigned

CERTIFICATE OF EXPRESS MAILING

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Application P.O. Box 1450, Alexandria, VA 22313 on the date printed below:

Date: 11-12-03

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Carol Diez

Carol Diez

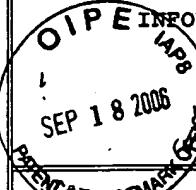
**MAIL STOP: PATENT APPLICATION
COMMISSIONER FOR PATENTS
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ALEXANDRIA, VA 22313**

INFORMATION DISCLOSURE STATEMENT

Each item of information listed in the attached FORM PTO-1449, for which a copy of each is attached, may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to make these items of official record in this application.

Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Office					Atty. Docket No. SUN-P4181	Serial No. Unassigned	
Information Disclosure Statement by Applicant					Applicant: Judith Schwabe et al.		
(Use several sheets if necessary)					Filed: Herewith	Group: Unassigned	
U.S. Patent Documents							
Init.		Document No.	Date	Name	Class	Subclass	Filing Date
<i>AA</i>	A	5,408,670	4/18/95	Davies			
<i>AA</i>	B	4,400,769	8/23/93	Kaneda et al.			
	C	5,305,456	4/19/94	Boitana			
	D	5,740,441	4/14/98	Yellin et al.			
	E	5,784,553	7/21/98	Kolawa et al.			
	F	5,794,049	8/11/98	Lindholm			
	G	5,920,720	7/99	Toutonghi et al.			
	H	5,999,731	12/99	Yellin et al.			
	I	6,003,038	12/99	Chen			
	J	6,026,237	2/00	Berry et al.			
	K	6,075,863	6/00	Krishnan et al.			
	L	6,093,216	7/00	Adi-Tabatabai et al.			
	M	6,477,702	11/5/02	Yellin et al.			
	N	6,308,317	10/23/01	Wilkinson et al.			
	O	5,446,901	8/29/95	Owicki et al.			
	P	5,884,316	3/16/99	Bernstein et al.			
	Q	6,182,158	1/30/01	Kougiouris et al.			
	R	6,212,633	4/3/01	Levy et al.			
	S	5,668,999	9/16/97	Gosling			
	T	5,732,263	3/24/98	Havens et al.			
	U	6,092,147	7/18/00	Levy et al.			
	V	3,805,045	4/16/74	Larsen			
	W	3,993,891	11/23/76	Beck et al.			
	X	4,504,924	3/12/85	Cook et al.			
	Y	5,497,340	3/5/96	Uramoto et al.			
<i>AA</i>	Z	5,606,677	2/25/97	Balmer et al.			
<i>AA</i>	AA	5,724,279	3/3/98	Benaloh et al.			
Foreign Documents							
Init.		Document No.	Date	Country	Class	Subclass	Translation Yes No
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)							
Examiner	<i>Manuel V.</i>				Date Considered <i>10-28-06</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.							

Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. SUN-P4181	Serial No. Unassigned			
Information Disclosure Statement by Applicant (Use several sheets if necessary)				Applicant: Judith Schwabe et al. Filed: Herewith Group: Unassigned				
Foreign Documents								
Translation								
Init.		Document No.	Date	Country	Class	Subclass	Yes	No
AT	BB	EP 0 778 522 A2	6/11/97	Europe			X	
AT	CC	WO 01/14958	3/1/01	France			X	
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)								
AT	DD	Sun Microsystems, Inc., "Java Card™ 2.0 Developer's Guide, August 19, 1998, Revision 1.12.						
AT	EE	Sun Microsystems, Inc., "Java Card™ 2.0 Application Programming Interfaces", October 13, 1997, Rev. 1.0						
AT	FF	Sun Microsystems, Inc., "Java Card™ 2.0 Language Subset and Virtual Machine Specification", October 13, 1997, Revision 1.0 Final						
AT	GG	Sun Microsystems, Inc., "Java Card™ 2.0 Programming Concepts", October 15, 1997, Rev. 1.0 Final						
AT	HH	Sun Microsystems, Inc., "Java Card™ 2.1 Application Programming Interface", June 7, 1999, Final Rev. 1.1						
AT	II	Sun Microsystems, Inc., "Java Card™ 2.1 Runtime Environment (JCRE) Specification", June 7, 1999, Final Revision 1.1						
AT	JJ	Sun Microsystems, Inc., "Java Card™ 2.1 Virtual Machine Specification", June 7, 1999, Final Rev. 1.1						
AT	KK	Sun Microsystems, Inc., "Release Notes- Java Card™ 2.1 Specifications", June 7, 1999, Final Rev. 1.1						
AT	LL	Sun Microsystems, Inc., "Java Check™ 3.0 Frequently Asked Questions", printed from http://java.sun.com/products/personaljava/jcheckfaq30-beta.html , on 12/3/99.						
AT	MM	Sun Microsystems, Inc., "Java Check™ Technical Notice", printed from http://java.sun.com/products/personaljava/JcheckTechNotice.html , on 12/3/99.						
AT	NN	Sun Microsystems, Inc., "Using Java Check™", Version 2.0.1, printed from www.sun.com/software/personaljava/techinfo.html , on 12/3/99.						
AT	OO	Sun Microsystems, Inc., "Using Java Check™", Version 3.0, printed from http://java.sun.com/cgi-bin/download2.cgi , on 12/3/99.						
AT	PP	Sun Microsystems, Inc., "The K Virtual Machine (KVM)", White Paper 6/8/99						
AT	QQ	Ritchey, Tim, "Advanced Topics: The Java Virtual Machine" JAVA!, Chapter 14, pp. 25-346, Sept. 22, 1995						
AT	RR	Daniels, John et al., "Strategies For Sharing Objects In Distributed Systems", JOOP, Object Designers Ltd. UK, pp. 27-36						
AT	SS	Michael Shuttle et al., "Exact Rounding of Certain Elementary Functions", June 29, 1993, pp. 138-145						
AT	TT	Ziv, Abraham, "Fast Evaluation of Elementary Mathematical Functions with Correctly Rounded Last Bit", September 1, 1991, pp. 410-423						
AT	UU	George E. Necula et al., "Proof Carrying Code", November 1996, pp. 1-60						
Examiner <i>MunAnh Vu</i>				Date Considered <i>10-28-06</i>				
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.								

Form PTO-1449  <small>SEARCHED & SERIALIZED</small> <small>SEP 18 2006</small> <small>USPTO - TRADEMARK OFFICE</small> <small>use several sheets if necessary)</small>				Atty Docket No.	Serial No.			
				P-4181CIP		10/712,463		
				Applicant(s)				
				Judith E. Schwabe et al.				
Filing Date November 12, 2003				Group	2124			
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AT	AA	5,107,451	04/21/92	Houk	364	746		
AT	AB	5,825,407	10/20/98	Cowe et al.	348	6		
AT	AC	2003/0028572	02/06/03	Hoskote et al.	708	495		
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
FOREIGN PATENT DOCUMENTS								
							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
AT	AR	Jags, "cs510jip Compressed Data Loader", Jags_report, May 21, 1998, pages 1-9, Retrieved online December 16, 2005 from URL:< http://www.cs.pdx.edu/~apt/cs510jip_1998/jags_report/report.html >						
	AS							
	AT							
Examiner	<i>[Signature]</i>		Date Considered	10-28-06				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).								

Form PTO-1449



**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Atty Docket No.	Serial No.
P-4181CIP	10/712,463
Applicant(s)	
Judith E. Schwabe et al.	
Filing Date	Group
November 12, 2003	2124

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WT	AA	6,151,618	11/21/2000	Wahbe et al.	718	1	
WT	AB	6,247,174	06/12/2001	Santhanam et al.	717	154	
WT	AC	6,363,523	03/26/2003	Chen et al.	717	153	
WT	AD	2002/0023954	02/28/2002	Calder et al.	235	381	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

Translation

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

Examiner *Santhanam* Date Considered *10-28-06*

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